

SW-515

COMPACT INDUSTRIAL 5 PORT GIGABIT ETHERNET SWITCH

- 5 Gigabit Ethernet ports
- Wide voltage input range: +5V to +30V DC - can be powered by a variety of sources
- Industrial temperature range: -40°C to +80°C/-40°F to +176°F - works in extreme conditions
- Redundant dual power inputs - reduces risk of power outage
- Compact design - efficient use of DIN rail
- Integral DIN mount



+5 to +30 Volt power input enables the device to be run from a standard car battery - ideal for in vehicle applications



Non conducting polyamide casing with removable numbered power terminal for easy wiring



Integral DIN mount and slim design takes up minimal cabinet space



Complies with  
UL62368-1

CSA C22.2  
No. 62368-1

**SW-515**
**COMPACT INDUSTRIAL 5 PORT GIGABIT ETHERNET SWITCH**

No software needed: Simply plug in any ethernet cable

All Ethernet ports are Auto MDI/MDIX supporting straight through or crossover Ethernet cables

Integral DIN mount with ground

Automatic detection of data transmission speed: 10 or 100 or 1000 Mbps



-40°C to +80°C/-40°F to +176°F temperature range

Non-conducting polyamide case

Compact case - all round small profile

Power consumption is optimised based on the status of the link device

Dual redundant power input: +5VDC to +30VDC

Easy Wire Removable screw terminal block

**Connectors**

**Screw Terminals** 3.5mm pitch, #22 - #14, 0.5mm<sup>2</sup>-2.5mm<sup>2</sup> pin power supply

**Wire Thickness** 0.150 inch, 3.81mm, 20 pins, 12+8 screw terminals, #26 - #16 AWG, 0.14mm<sup>2</sup>-1.3mm<sup>2</sup>

**Power Supply**

**Power Consumption** 3.6W Max: 720mA@+5VDC/120mA@+30VDC

**Power Supply input** Unregulated +5V to +30Volts DC, reverse polarity protection

**Isolation** 1500VRMS Magnetic isolation from Ethernet

**Environmental**

**Operating Temperature** -40°C to +80°C/-40°F to +176°F

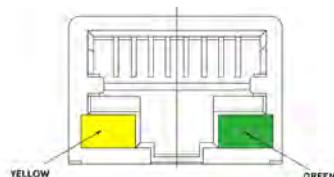
**Storage Temperature** -40°C to +80°C/-40°F to +176°F

**Ambient Relative Humidity** 5 to 95% (non-condensing)

**Magjack LED Information**

<b>Link/Activity</b>	Solid	Connection established
	Flashing	Data communication

<b>Speed</b>	Yellow	1000Mbps
	Green	100Mbps


**Ethernet**

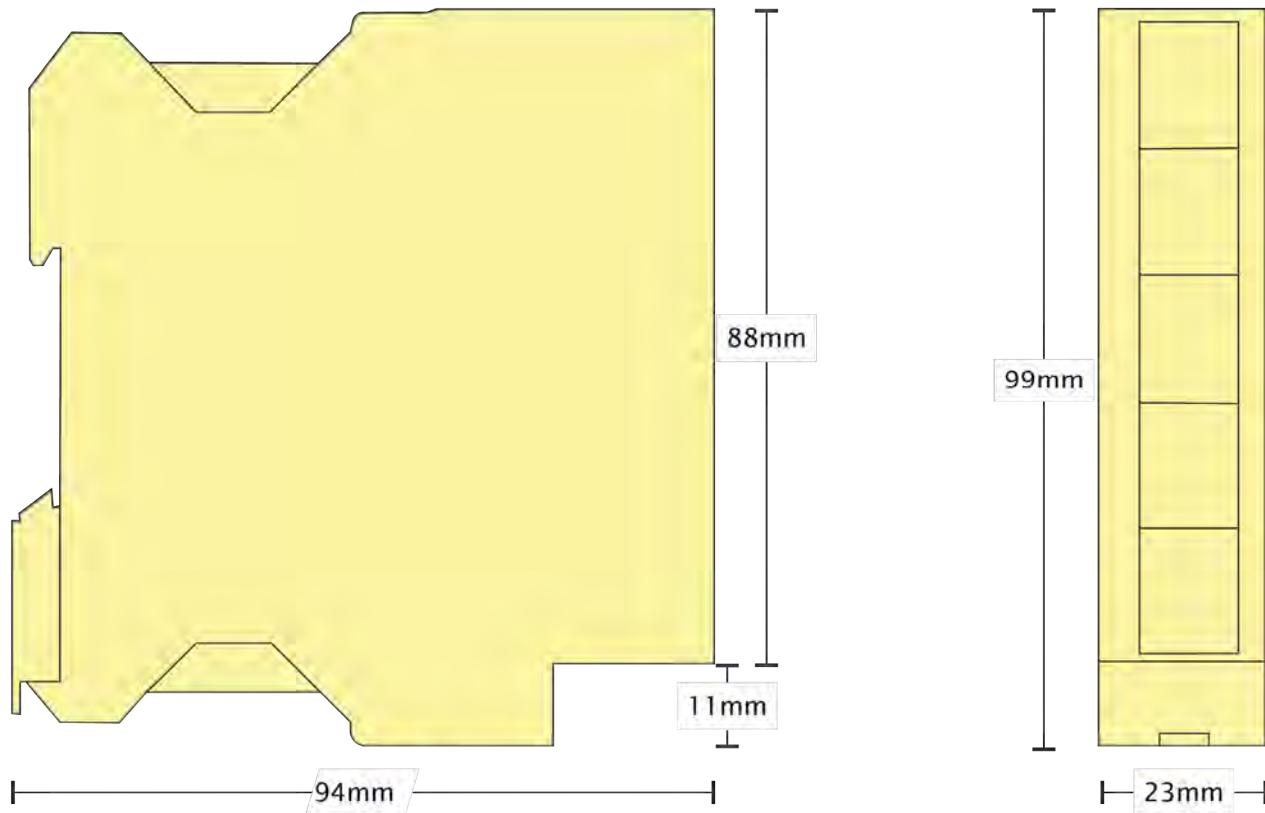
**Ethernet Port** 5 x RJ45 jack, 10/100/1000Mbs autosensing, crossover auto sensing (Auto MDIX)

**Protection** 1,500 Volts magnetic isolation between ports

**Housing** IP-20 rated non-conducting polyamide case

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COMPACT INDUSTRIAL 5 PORT GIGABIT ETHERNET SWITCH


**Power Terminal Pin Outs**

PIN	FUNCTION
1	-V
2	+VA
3	+VB
4	-V
5	Functional Earth

**Ethernet Ports x5 Pin Outs**

PIN	FUNCTION
1	TxRx A+
2	TxRx A-
3	TxRx B+
4	TxRx C+
5	TxRx C-
6	TxRx B-
7	TxRx D+
8	TxRx D-

**Lifetime Warranty and Support:**

We can help with every aspect of your project, from getting you up and running to custom application.

**SW-515****COMPACT INDUSTRIAL 5 PORT GIGABIT ETHERNET SWITCH****Packaging Information**

Packaging	Quick Start Guide
Device	Ethernet Switch 5 port
Packaged Weight	0.199 kg, 7.02 ounces
Packaged Dims	160x135x49 mm, 6.3x5.3x1.9 inches
GTIN Universal Code	837324004281

**Approvals**

Industry Approvals	Microsoft Certified Gold Partner, WEEE, RoHS, AEO (C-TPAT), CE, UKCA, METL Complies with UL62368-1
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**Product Support**

Warranty	Lifetime - online registration required
Support	Lifetime web, email and phone support from fully qualified, friendly staff who work in and alongside the Product Development Team

**Additional Information**

OEM option	Available for bulk buy OEM
Made In	Manufactured in Great Britain (GB) by Brainboxes - Winner 2005 European Electronics Industry Awards 'Manufacturer of the Year'
Customisable	Brainboxes operate a 'Perfect Fit Custom Design' policy for volume users. More info: sales@brainboxes.com

**PW-600**

Power supply with connectors for UK, USA, EU and AUS mains socket. 'Tails' are suitable for connecting to screw terminal blocks.

**PW-650**

Power supply with USB connector and prewired screw terminal block. Suitable for use with 5V USB ports.

**SW Range**

Switch products available in a range of formats and specifications.

[www.brainboxes.com](http://www.brainboxes.com)